

Day 66 - 21/01/2023

### Q. Palindromic substrings

Anoop likes strings a lot but he likes palindromic strings more. Today, Anoop has two strings A and B, each consisting of lower case alphabets. Anoop is eager to know whether it is possible to choose some non empty strings s1 and s2 where s1 is a substring of A, s2 is a substring of B such that s1 + s2 is a palindromic string. Here '+' denotes the concatenation between the strings.

#### Input

First line of input contains a single integer T denoting the number of test cases.

For each test case: First line contains the string A. Second line contains the string B.

#### Output

For each test case, Print "Yes" (without quotes) if it possible to choose such strings s1 & s2. Print "No" (without quotes) otherwise.

#### Input

```
3
abc
abc
a
b
abba
baab
```

#### Output

```
Yes
No
Yes
```

#### main.py

```
t = int(input())

for i in range(t):
    a = set(input())
    b = set(input())

    ans = False
    alen = len(a)
    blen = len(b)

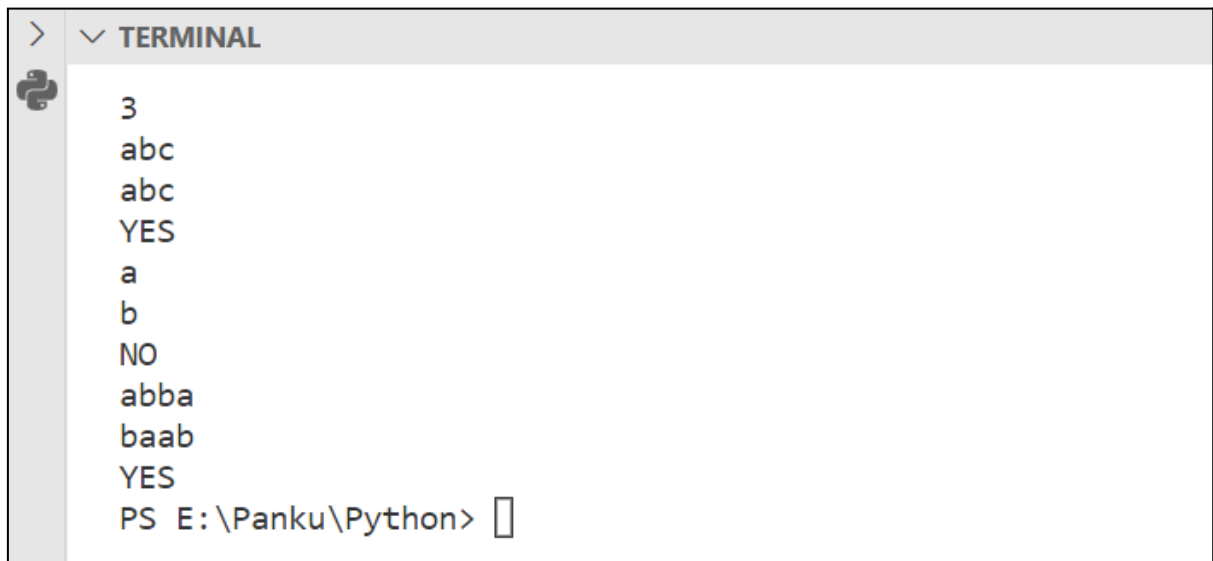
    if alen < blen:
        for j in a:
```

```
if j in b:
    ans = True
    break

else:
    for j in b:
        if j in a:
            ans = True
            break

if(ans):
    print("YES")
else:
    print("NO")
```

output

A screenshot of a terminal window with a grey header bar containing a right-pointing chevron and the word "TERMINAL". On the left side of the terminal is a vertical sidebar with a Python logo icon. The main area of the terminal displays the following output: "3", "abc", "abc", "YES", "a", "b", "NO", "abba", "baab", "YES". The prompt "PS E:\Panku\Python>" is followed by a cursor icon.

```
> ✓ TERMINAL
3
abc
abc
YES
a
b
NO
abba
baab
YES
PS E:\Panku\Python> █
```